

CLAIMS

1. A method for re-synchronizing a PPP link, comprising:
 - 2 detecting a trigger indicating whether a remote station is associated with a new base station;
 - 4 determining whether the new base station is associated with a new network server; and
 - 6 re-synchronizing the PPP link if the remote station is associated with the new network server.
2. The method according to claim 1, wherein the detecting comprises
 - 2 detecting an RLP reset.
3. The method according to claim 1, wherein the detecting comprises
 - 2 detecting a message indicating a handoff.
4. The method according to claim 1, wherein the detecting comprises
 - 2 detecting coming out of dormancy.
5. The method according to claim 1, wherein the determining comprises
 - 2 determining whether a received packet is a control packet.
6. The method according to claim 5, wherein the control packet comprises a
 - 2 link control protocol (LCP) negotiation request.
7. The method according to claim 5, wherein the control packet comprises
 - 2 an Internet protocol control protocol (IPCP) negotiation request.
8. The method according to claim 1, wherein the re-synchronizing
 - 2 comprises re-synchronizing the PPP link only on the U_m interface.
9. The method according to claim 1, wherein the network server comprises
 - 2 an interworking function (IWF).

10. The method according to claim 1, wherein the network server comprises
2 a packet data serving node (PDSN).

11. The method according to claim 1, wherein the remote station functions
2 under a CDMA environment.

12. A method for re-synchronization of a PPP link, comprising:
2 establishing a PPP link;
detecting a condition that indicates whether PPP re-synchronization is
4 required; and
re-synchronizing the PPP link if it is determined that PPP re-
6 synchronization is required.

13. The method according to claim 12, wherein the detecting comprises
2 detecting when an RLP reset occurs.

14. The method according to claim 12, wherein the detecting comprises
2 detecting when a handoff occurs.

15. The method according to claim 12, wherein the detecting comprises
2 detecting when coming out of dormancy.

16. A computer readable medium embodying a method for re-synchronizing
2 a PPP link, the method comprising:
detecting a trigger indicating whether a remote station is associated with
4 a new base station;
determining whether the new base station is associated with a new
6 network server; and
re-synchronizing the PPP link if the remote station is associated with
8 the new network server.

17. A remote station apparatus comprising:
2 means for detecting a trigger indicating whether the remote station is
associated with a new base station;

a processor configured to detect a trigger indicating whether the remote
6 station is associated with a new base station, the processor being further
adapted to determine whether the new base station is associated with a new
8 network server;

a receiver adapted to receive PPP re-synchronization signals, the
10 receiver being connected to the processor; and

a transmitter adapted to send PPP re-synchronization signals, the
12 transmitter being connected to the processor.

24. The apparatus according to claim 23, wherein the trigger comprises an
2 RLP reset.

25. The apparatus according to claim 23, wherein the trigger comprises a
2 message indicating a handoff.

26. The apparatus according to claim 23, wherein the trigger comprises an
2 indication of coming out of dormancy.

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